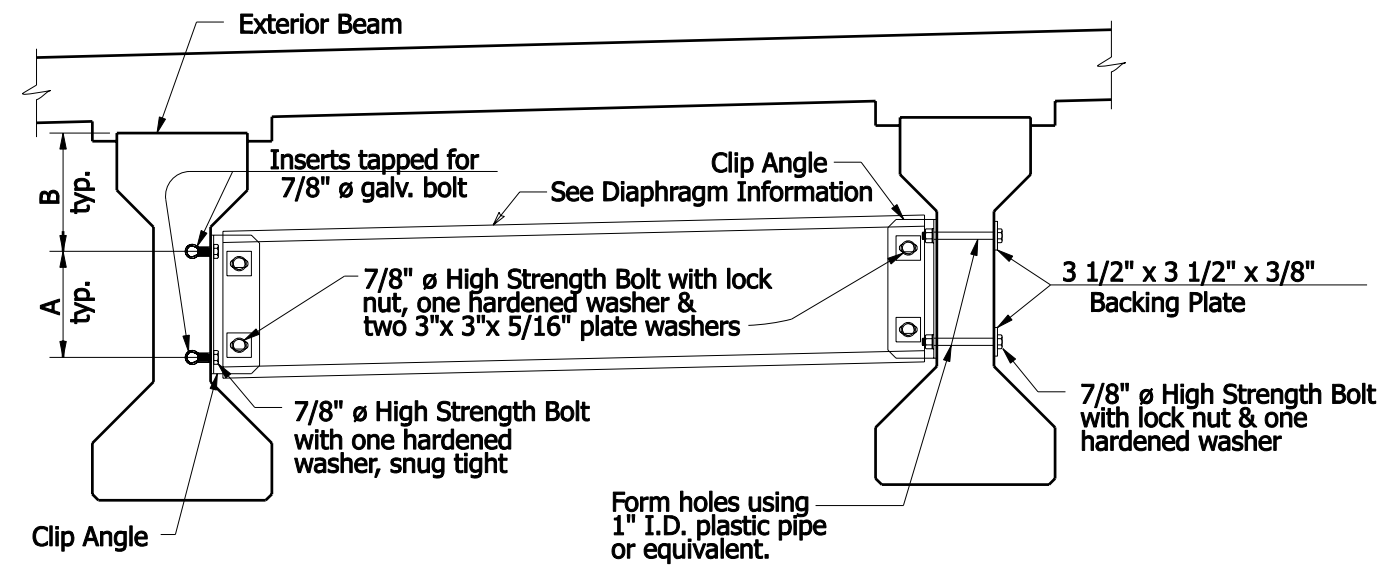


**INTERMEDIATE DIAPHRAGM**

*Typical for Square Structure*



**INTERMEDIATE DIAPHRAGM**

*Typical for Skewed Structure*

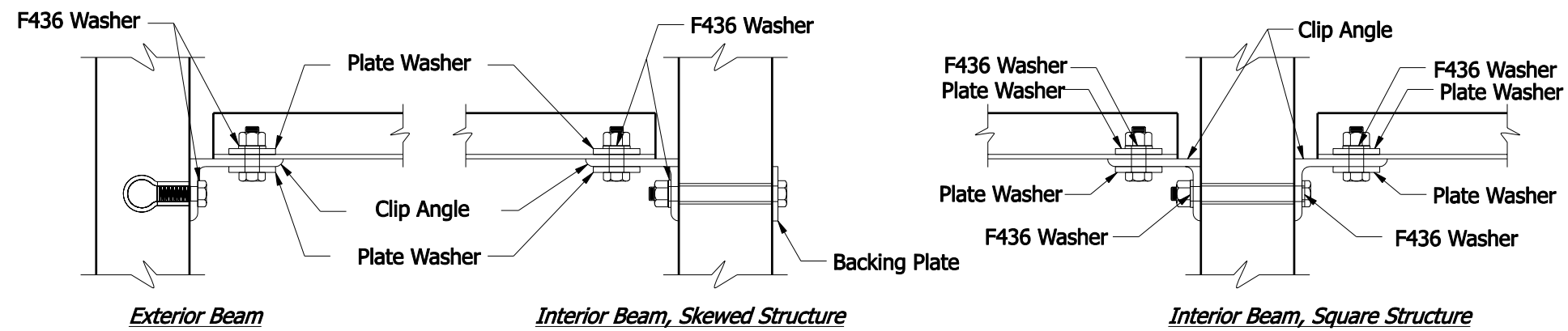
Diaphragm Information							
Beam Type	Dimension						Channel Type
	A	B	C	D	E	F	
Type II	9"	1'-0"	1'-1"	6"	3 1/2"	3"	C 12 x 20.7
Type III	1'-1"	1'-2 1/2"	1'-5"	10"	3 1/2"	4"	MC 18 x 42.7
Type IV	1'-4"	1'-5 1/2"	1'-8"	10"	5"	4"	MC 18 x 42.7

**NOTES:**

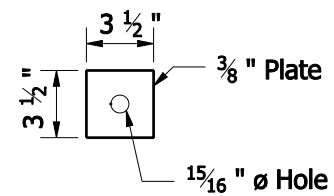
1. See Recurring Drawing E 707-B-173d 2 of 6 for connection details.

INDIANA DEPARTMENT OF TRANSPORTATION

**STEEL DIAPHRAGMS  
AASHTO I-BEAMS**

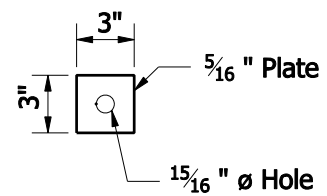


### CONNECTION DETAILS

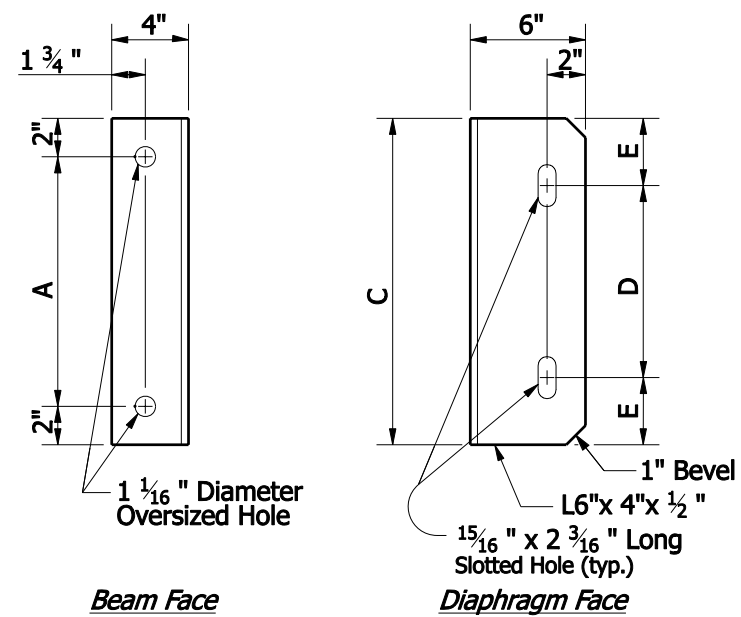


### BACKING PLATE

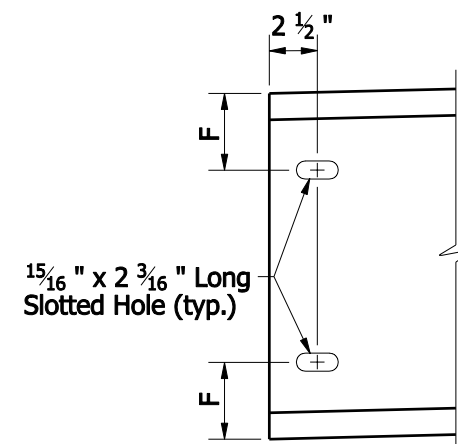
Skewed Structure Only



### PLATE WASHER



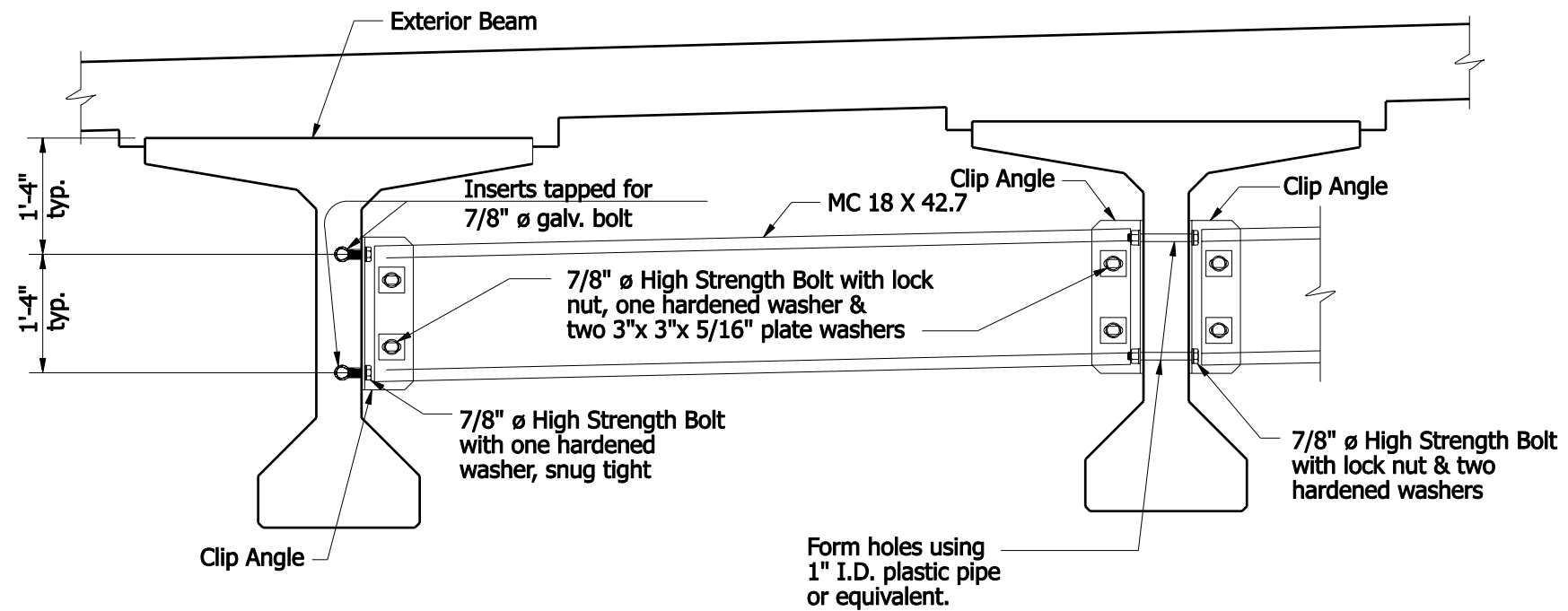
### CLIP ANGLE



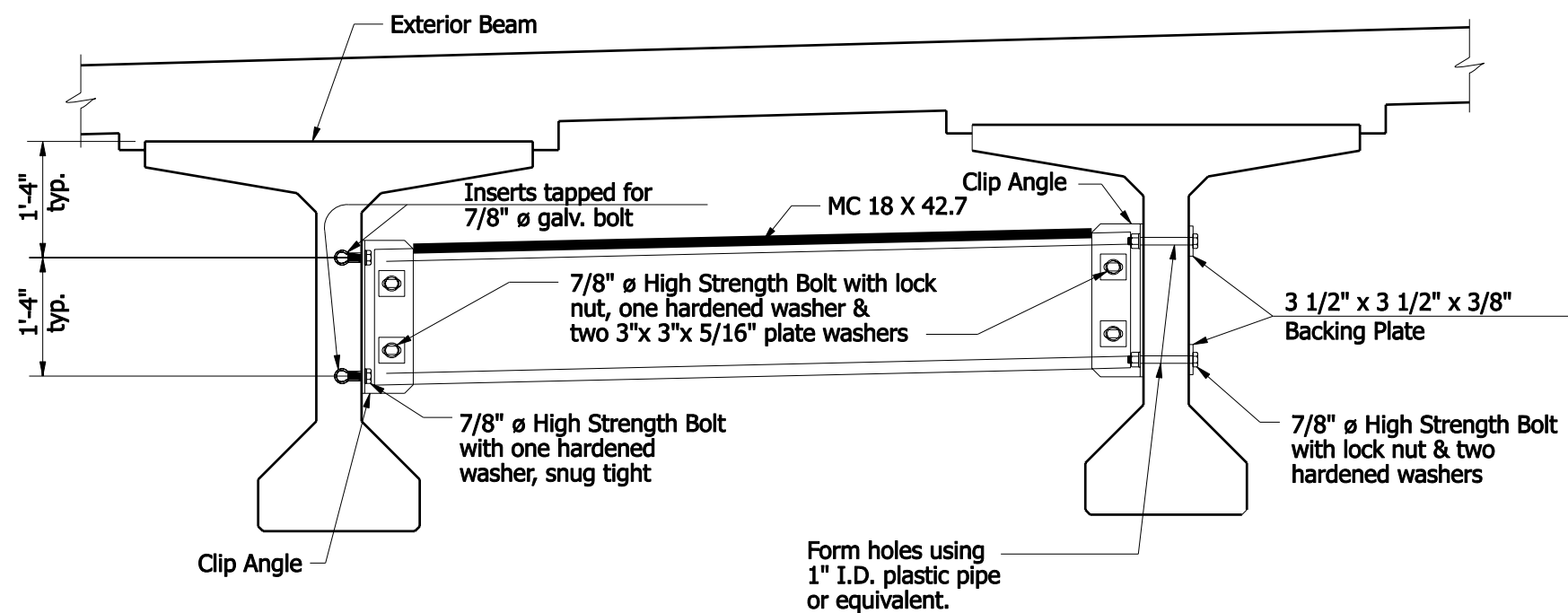
### CHANNEL END

INDIANA DEPARTMENT OF TRANSPORTATION

STEEL DIAPHRAGMS  
AASHTO I-BEAMS



**INTERMEDIATE DIAPHRAGM**  
*Typical for Square Structure*



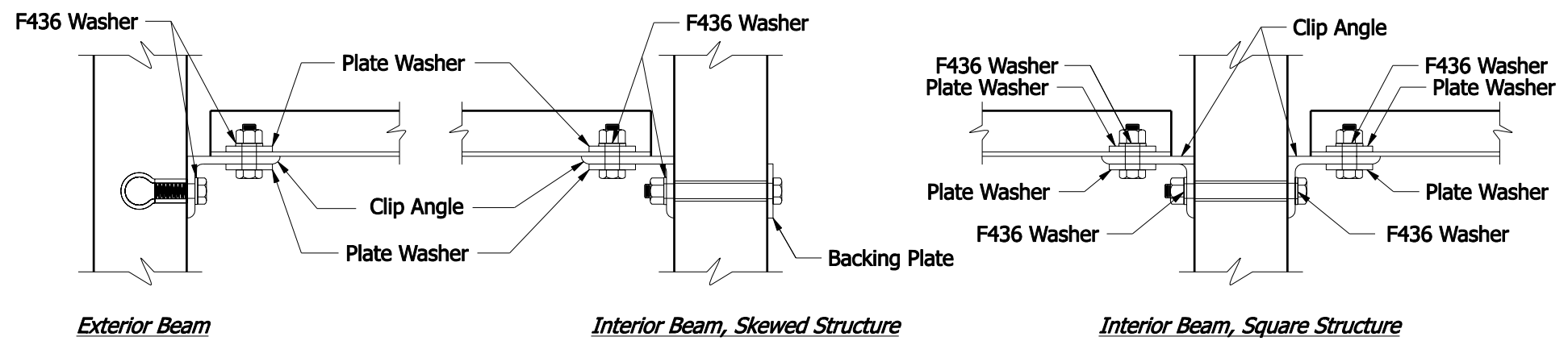
**INTERMEDIATE DIAPHRAGM**  
*Typical for Skewed Structure*

**NOTES:**

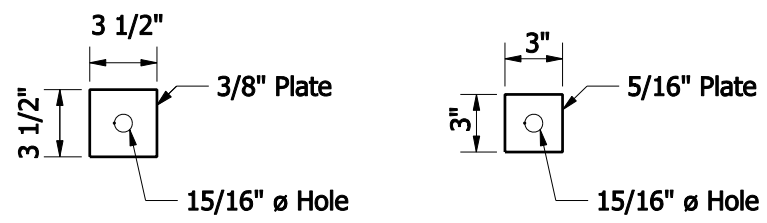
1. See Recurring Drawing E 707-B-173d 4 of 6 for connection details.

INDIANA DEPARTMENT OF TRANSPORTATION

**STEEL DIAPHRAGMS**  
**INDIANA BULB-TEES, 54-IN. DEPTH**

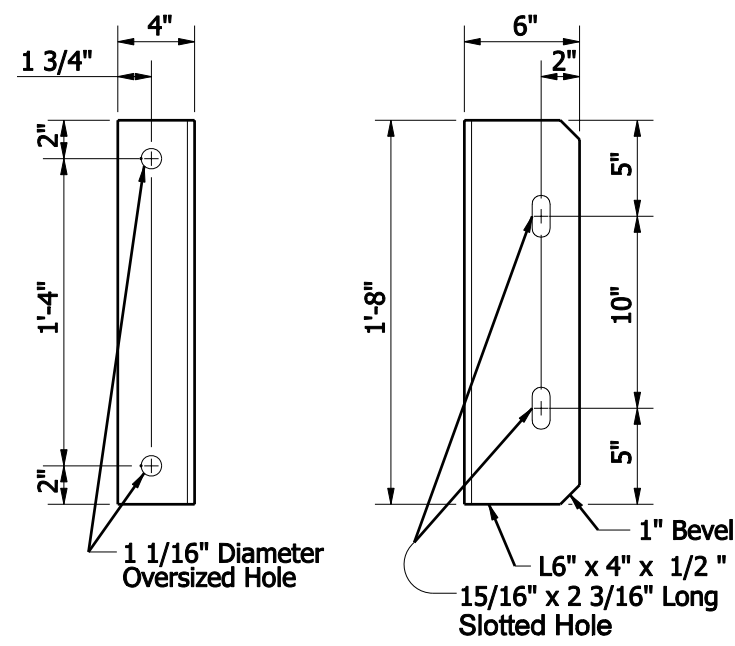


**CONNECTION DETAILS**

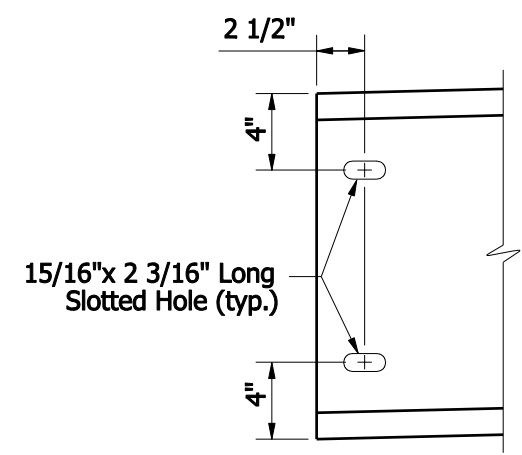


**BACKING PLATE**  
*Skewed Structure Only*

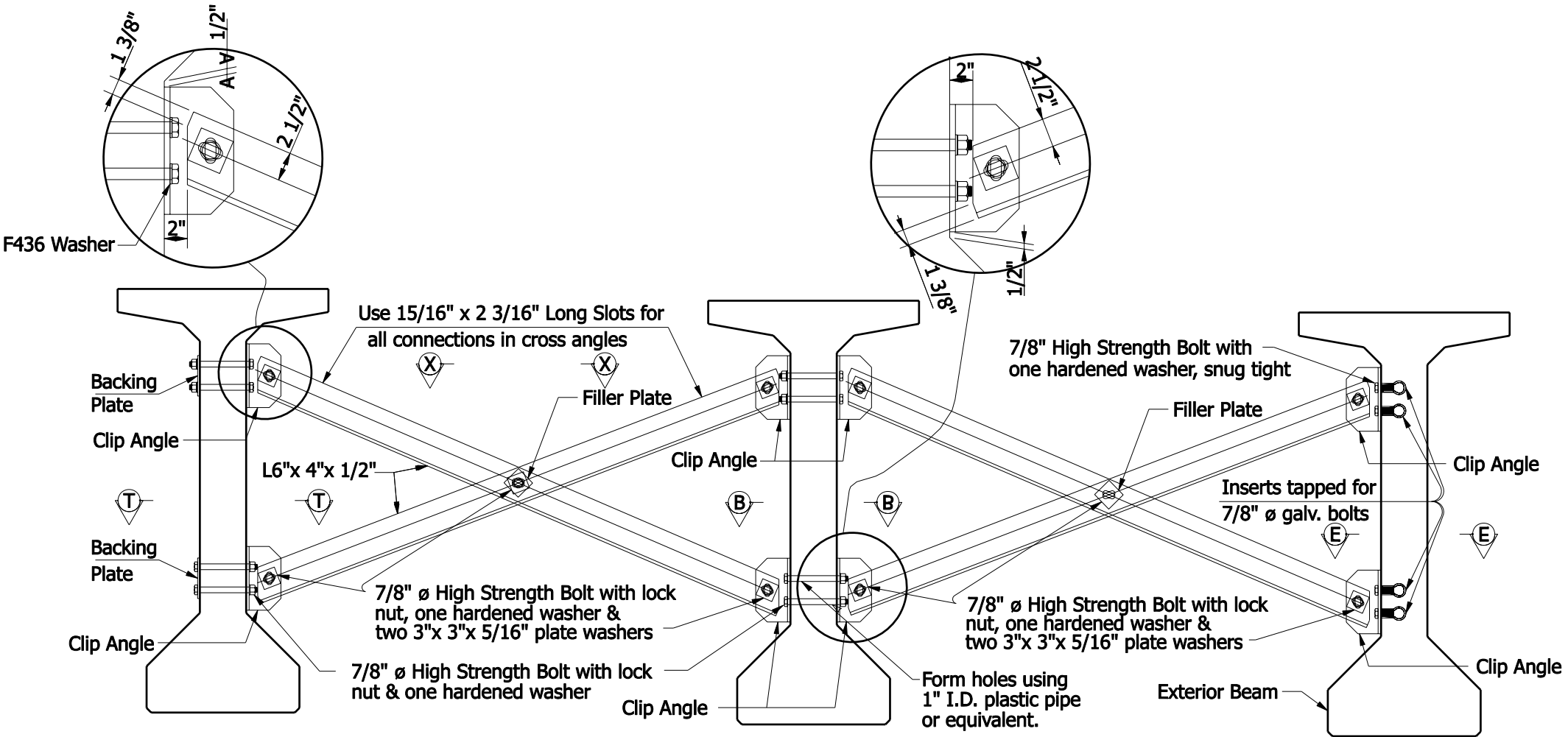
**PLATE WASHER**



**CLIP ANGLE**



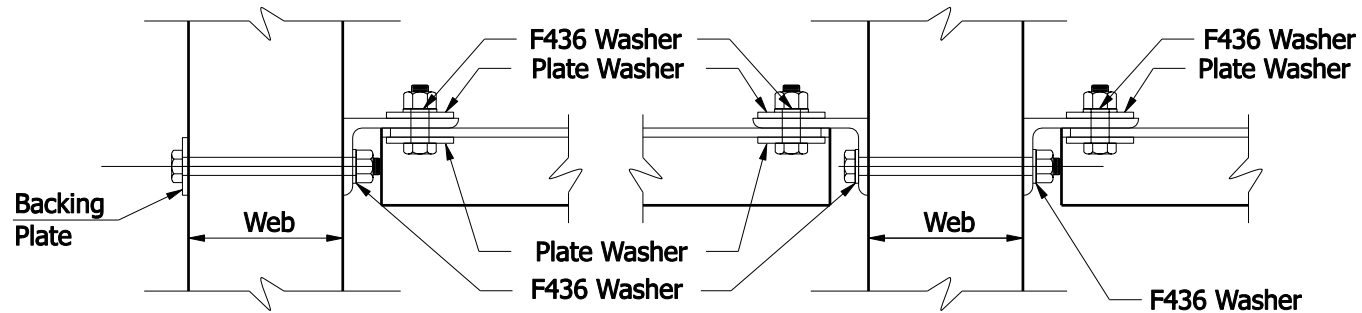
**CHANNEL END**



- NOTES:
- 1. See Recurring Drawing E 707-B-173d 6 of 6 for connection details.

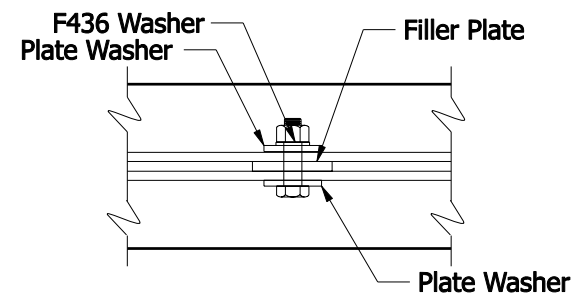
INTERMEDIATE DIAPHRAGM DETAILS

INDIANA DEPARTMENT OF TRANSPORTATION	
STEEL DIAPHRAGMS	
INDIANA BULB-TEES, 60 IN. OR DEEPER	

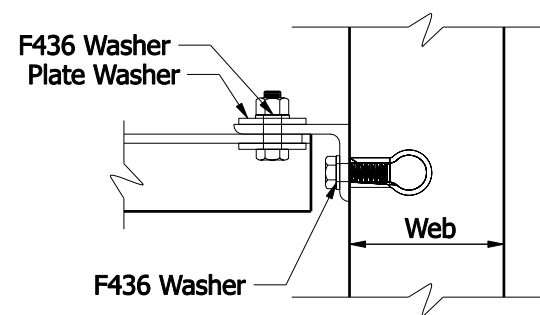


**SECTION T-T**  
*Interior Beam, Skewed Structure*

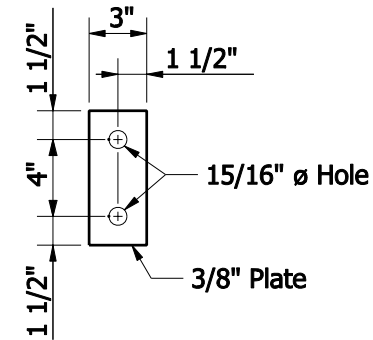
**SECTION B-B**  
*Interior Beam, Square Structure*



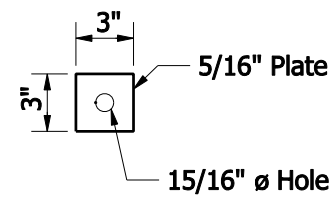
**SECTION X-X**



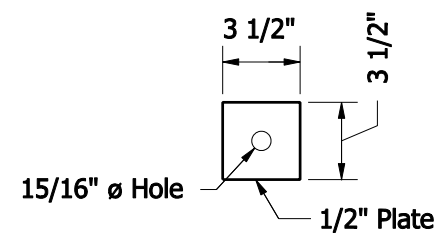
**SECTION E-E**  
*Exterior Beam*



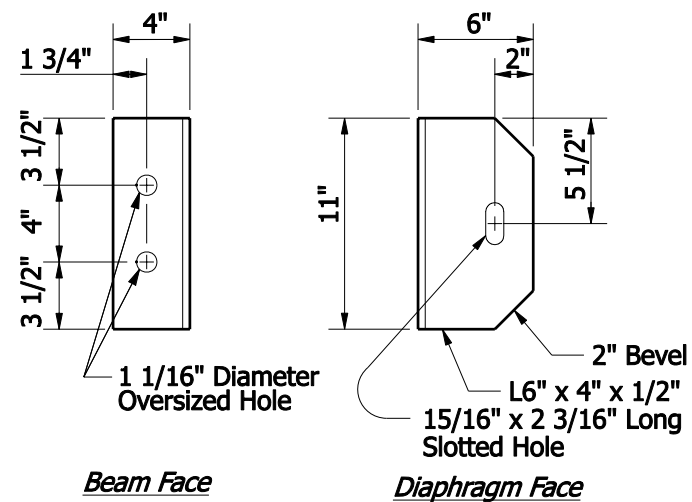
**BACKING PLATE**



**PLATE WASHER**



**FILLER PLATE**



**CLIP ANGLE**

INDIANA DEPARTMENT OF TRANSPORTATION  
STEEL DIAPHRAGMS  
INDIANA BULB-TEES, 60 IN. OR DEEPER